



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO A25G 740257 - HYDRAULIC SYSTEM



Sample No: VCP438572
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP438572	VCP440041	VCP390701	VCP324606
Sample Date	08 Jul 2024	08 Jan 2024	30 Nov 2022	25 Jun 2021
Machine Hours	10131	9175	8249	6077
Oil Hours	0	1000	4000	2000
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	47.7	48.1	46.5	46.7
Acid Number (AN)	mg KOH/g	0.76	0.76	0.38	0.457

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		7671	13445	828	4311
Particles >6µm		1968	3745	137	922
Particles >14µm		129	403	12	62
ISO 4406:1999 (c)		20/18/14	21/19/16	17/14/11	19/17/13
Silicon	ppm	3	4	5	4
Sodium	ppm	3	2	1	<1
Potassium	ppm	0	2	0	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	2	2	11	9
Copper	ppm	1	2	6	5
Lead	ppm	0	1	<1	1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	<1	1	2	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	791	878	245	263
Magnesium	ppm	3	8	4	6
Zinc	ppm	551	650	480	494
Phosphorus	ppm	495	561	394	382
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	4

Depot: VOLVO0093
Unique No: 11123626
Signed: Wes Davis
Report Date: 15 Jul 2024

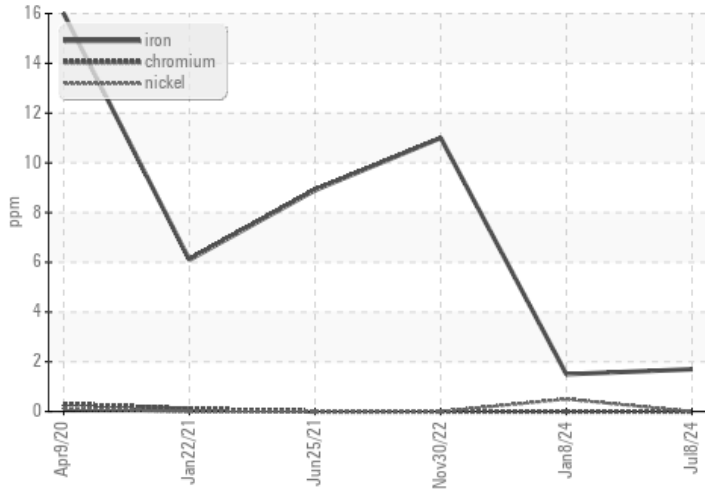


CONSTRUCTION EQUIPMENT

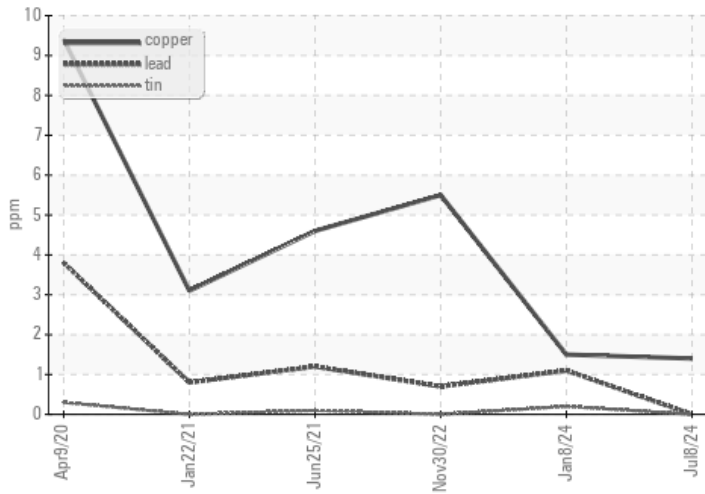


VOLVO GRAPHS

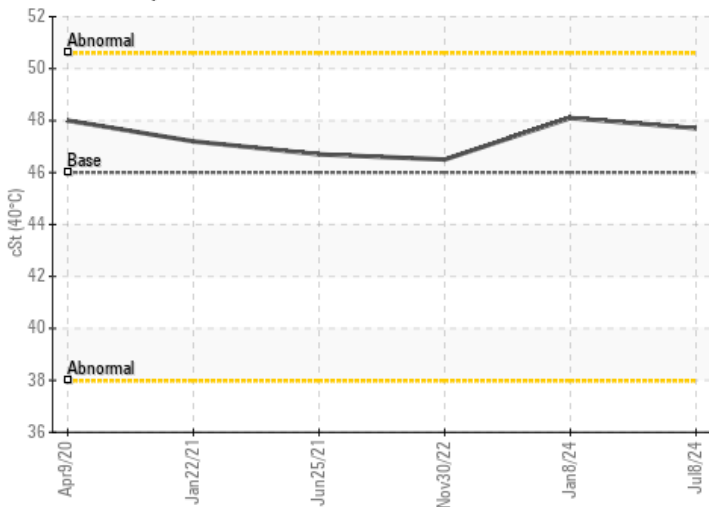
Ferrous Alloys



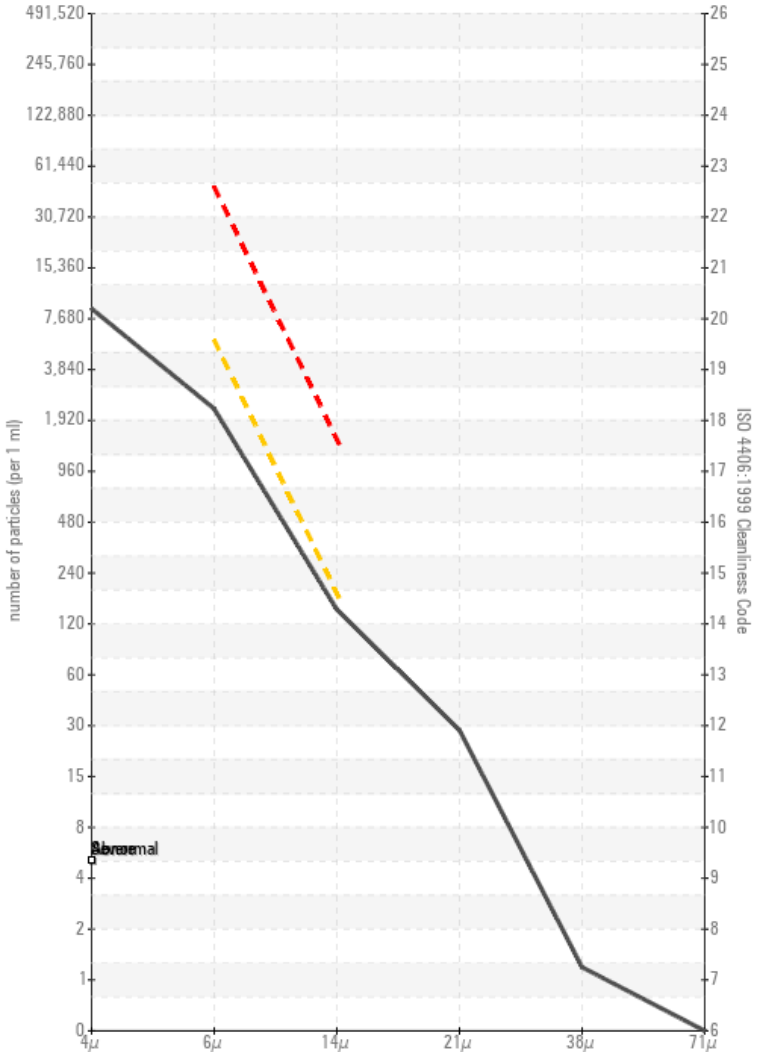
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

